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<b>Substitute for form 1449A/PTO</b>  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)				<b>Complete if Known</b>	
				Application Number	10/785,116
				Filing Date	February 25, 2004
				First Named Inventor	Iris PECKER et al
				Art Unit	1652
				Examiner Name	RICHARD G. HUTSON
Sheet	1	of	33	Attorney Docket Number	27674
<b>U.S. PATENT DOCUMENTS</b>					
Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date DD-MMM-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
RH	1	US-2001/0006630	05-Jul-2001	Yacobi-Zeevi et al.	
	2	US-2002/0068061	06-Jun-2002	Peretz et al.	
	3	US-2002/0088019	04-Jul-2002	Yacoby-Zeevi	
	4	US-2002/0114801	22-Aug-2002	Pecker et al.	
	5	US-2002/0168749	14-Nov-2002	Pecker et al.	
	6	US-2002/0194625	19-Dec-2002	Zcharia et al.	
	7	US-2003/0031660	13-Feb-2003	Yacobi-Zeevi et al.	
	8	US-2003/0068806	10-Apr-2003	Ayal-Hershkovitz et al.	
	9	US-2003/0161823	28-Aug-2003	Ilan et al.	
	10	US-2003/0163836	28-Aug-2003	Garofalo et al.	
	11	US-2003/0170860	11-Sep-2003	Pecker et al.	
	12	US-2003/0181687	25-Sep-2003	Peretz et al.	
	13	US-2003/0190737	09-Oct-2003	Pecker et al.	
	14	US-2003/0217375	20-Nov-2003	Zcharia et al.	
	15	US-2004/0146497	29-Jul-2004	Ilan et al.	
	16	US-2,295,323	08-Sep-1942	Armstrong	
	17	US-4,117,841	03-Oct-1978	Perrotta et al.	
	18	US-4,937,747	26-Jun-1990	Koller	
	19	US-5,360,735	01-Nov-1994	Weinshank et al.	
	20	US-5,589,604	31-Dec-1996	Drohan et al.	
	21	US-5,700,671	23-Dec-1997	Prieto et al.	
	22	US-5,714,345	03-Feb-1998	Clark	
	23	US-5,716,817	10-Feb-1998	T?rnell	
	24	US-5,799,276	25-Aug-1998	Komissarchik et al.	
	25	US-5,799,311	25-Aug-1998	Agrawal et al.	
	26	US-5,830,759	03-Nov-1998	Chang et al.	
	27	US-5,859,929	12-Jan-1999	Zhou et al.	
	28	US-5,962,721	05-Oct-1999	Gough et al.	
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	29	US-6,140,552	31-Oct-2000	Deboer et al.		
	30	US-6,190,875	20-Feb-2001	Ben-Artzi et al.		
	31	US-6,226,792	01-May-2001	Goiffon et al.		
	32	US-6,230,151	08-May-2001	Agrawal et al.		
	33	US-6,307,965	23-Oct-2001	Aggarwal et al.		
	34	US-6,314,420	06-Nov-2001	Lang et al.		
	35	US-6,426,209	30-Jul-2002	Ayal-Hershkovitz et al.		
	36	US-6,475,763	05-Nov-2002	Ayal-Hershkovitz et al.		
	37	US-6,562,950	13-May-2003	Peretz et al.		
	38	US-6,800,441	05-Oct-2004	Pecker et al.		
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	39	EP 0254067	27-Jan-1988	Cohen et al.		
	40	EP 0998569	10-May-2000	Pecker et al.		
	41	IL 133264	30-Apr-2001	Pecker et al.		
	42	AU 735116	28-Jun-2001	Pecker et al.		
	43	AU 768820	08-Jan-2004	Ben-Artzi et al.		
	44	PCT WO 00/03036	20-Jan-2000	Ben-Artzi et al.		
	45	PCT WO 00/25817	11-May-2000	Peretz et al.		
	46	PCT WO 00/52149	08-Sep-2000	Yacobi-Zeevi		
	47	PCT WO 00/52178	08-Sep-2000	Pecker et al.		
	48	PCT WO 01/00643	04-Jan-2001	Pecker et al.		
	49	PCT WO 02/19962	14-Mar-2002	Ilan et al.		
	50	PCT WO 02/32283	25-Apr-2002	Yacoby-Zeevi		
	51	PCT WO 03/006645	23-Jan-2003	Bohlen et al.		
	52	PCT WO 88/01280	25-Feb-1988	Nicolson et al.		
	53	PCT WO 91/02977	07-Mar-1991	Fuks et al.		
54	PCT WO 91/19197	12-Dec-1991	Nicolson et al.			
55	PCT WO 92/01003	23-Jan-1992	Nicolson et al.			
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Substitute for form 1449A/PTO

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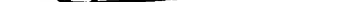
**Complete if Known**

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Sheet	3	Of	33	Attorney Docket Number	27674
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## FOREIGN PATENT DOCUMENTS

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<b>OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS</b>					
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B	68	Abaza et al. "Effects of Amino Acid Substitutions Outside An Antigenic Site on Protein Binding to Monoclonal Antibodies of Predetermined Specificity Obtained by Peptide Immunization: Demonstration With Region 94-100 (Antigenic Site 3) of Myoglobin", Journal of Protein Chemistry, 11(5): 433-444, 1992.			
	69	Abrahamsohn et al. "Implantation and Decidualization in Rodents", J. Exp. Zool., 266(6): 603-628, 1993. Abstract.			
	70	Adams et al. "Initial Assessment of Human Gene Diversity and Expression Patterns Based Upon 83 Million Nucleotides of cDNA Sequence", Nature, 377(6547): 3-174, 1995. GenBank Entry AA304653, 1997.			
	71	Agrawal "Antisense Oligonucleotides: Towards Clinical Trials", TIBTech, Trends in Biotechnology, 14: 376-387, 1996.			
	72	Albus et al. "Staphylococcus Aureus Capsular Types and Antibody Response to Lung Infection in Patients With Cystic Fibrosis", J. Clin. Microbiol., 26(12): 2505-2509, 1988. Abstract.			
	73	Allison et al. "Polysaccharide Production in Pseudomonas Cepacia", J. Basic. Microbiol., 34(1): 3-10, 1994. Abstract.			
	74	Anatolii "Hyaluronic Capsule as One of the Factors of Hemolytic Streptococcus Pathogenicity", Chem. Abstracts 86(17): 339, 1977. Abstr.118714 in Zh. Mikrobiol. Epidemiol. Immunobiol., 2: 22-27, 1977.			
	75	Aoki et al. "In Vivo Transfer Efficiency of Antisense Oligonucleotides Into the Myocardium Using HVJ-Liposome Method", Biochemical and Biophysical Research Communications, 231: 540-545, 1997.			
	76	Aplin "Adhesion Molecules in Implantation", Reviews of Reproduction, 2(2): 84-93, 1997.			
	77	Armstrong et al. "Lower Airway Inflammation in Infants and Young Children With Cystic Fibrosis", Am. J. Respir. Crit. Care Med., 156(4 Pt.1): 1197-1204, 1997. Abstract.			
	78	Asagoe et al. "Effect of Heparin on Infection of Cells by Equine Arteritis Virus", J. Vet. Med. Sci., 59(8): 727-728, 1997. Abstract.			
	79	Aspenberg et al. "Dose-Dependent Stimulation of Bone Induction by Basic Fibroblast Growth Factor in Rats", Acta Orthop. Scand., 62(5): 481-484, 1991. Abstract.			
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RV	80	Aspenberg et al. "Fibroblast Growth Factor Stimulates Bone Formation. Bone Induction Studied in Rats", Acta Orthop. Scand., 60(4): 473-476, 1989. Abstract.			
	81	Aviezer et al. "Differential Structural Requirements of Heparin and Heparan Sulfate Proteoglycans That Promote Binding of Basic Fibroblast Growth Factor to Its Receptor", J. Biol. Chem., 269(1): 114-121, 1994.			
	82	Azghani et al. "A Beta-Linked Mannan Inhibits Adherence of Pseudomonas Aeruginosa to Human Lung Epithelial Cells", Glycobiology, 5(1): 39-44, 1995. Abstract.			
	83	Barghouthi et al. "Nonopsonic Phagocytosis of Pseudomonas Aeruginosa Requires Facilitated Transport of D-Glucose by Macrophages", J. Immunol., 154(7): 3420-3428, 1995. Abstract.			
	84	Bartlett et al. "Comparative Analysis of the Ability of Leucocytes, Endothelial Cells, and Platelets to Degrade the Subendothelial Basement Membrane: Evidence for Cytokine Dependence and Detection of A Novel Sulfatase", Immunology and Cell Biol., 73: 113-124, 1995.			
	85	Basu et al. "Analysis of Glycosphingolipids by Fluorophore-Assisted Carbohydrate Electrophoresis Using Ceramide Glycanase From Mercenaria Mercenaria", Analytical Biochemistry, 222: 270-274, 1994.			
	86	Bean et al. "Fertilization In Vitro Increases Non-Disjunction During Early Cleavage Divisions in A Mouse Model System", Human Reproduction, 17(9): 2362-2367, 2002. Abstract.			
	87	<del>Benathan et al. "Living Epidermal and Dermal Substitutes for Treatment of Severely Burned Patients", Rev. Med. Suisse Romande, 118(2): 149-153, 1998. Abstract. Art. in French.</del>			
	88	Bendayan "Possibilities of False Immunocytochemical Results Generated by the Use of Monoclonal Antibodies: The Example of the Anti-Proinsulin Antibody", J. Histochem. Cytochem. 43: 881-886, 1995.			
	89	Bendig et al. "Humanization of Rodent Monoclonal Antibodies by CDR Grafting", Methods in Enzymology, 8: 83-93, 1995.			
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	91	Benezra et al. "Thrombin Enhances the Degradation of Heparan Sulfate in the Extracellular Matrix by Tumor Cell Heparanase", Exptl. Cell. Res., 201: 208-215, 1992.			
	92	Benjamin et al. "A Plasticity Window for Blood Vessel Remodelling Is Defined by Pericyte Coverage of the Preformed Endothelial Network and Is Regulated by PDGF-B and VEGF", Development, 125: 1591-1598, 1998.			
	93	Bennett et al. "Effect of Uridine 5'-Triphosphate Plus Amiloride on Mucociliary Clearance in Adult Cystic Fibrosis", Am. J. Respir. Crit. Care Med., 153(6 Pt.1): 1796-1801, 1996. Abstract.			
	94	Berkow "The Merck Manual", Merck Research Laboratories, P.201, 204, 1308, 177-179, 1016-1017, 194-197, 885, 601, 1997.			
	95	Beuth et al. "Lectin-Mediated Bacterial Adhesion to Human Tissue", Eur. J. Clin. Microbiol., 6(5): 591-593, 1987. Abstract.			
	96	Bhaskar et al. "Dysregulation of Proteoglycan Production by Intrahepatic Biliary Epithelial Cells Bearing Defective (Delta-f508) Cystic Fibrosis Transmembrane Conductance Regulator", Hepatology, 27(1): 7-14, 1998. Abstract.			
	97	<del>Bischof et al. "The Regulation of Endometrial and Trophoblastic Metalloproteinases During Blastocyst Implantation", Contracept Fertil Sex, 22(1): 48-51, 1994. Abstract. Article in French.</del>			
	98	Blanquaert et al. "CMDDBS, Functional Analogs of Sulfate Heparanes, Used as Osseous Cicatrizing Agents", Ann. Endocrinol., 55(2): 121-123, 1994. Abstract.			
	99	Blanquaert et al. "Heparan-Like Molecules Induce the Repair of Skull Defects", Bone, 17(6): 499-506, 1995. Abstract.			
	100	Boat et al. "Biochemistry of Airway Mucus Secretions", Fed. Proc., 39(13): 3067-3074, 1980. Abstract.			
101	Boat et al. "Epithelial Cell Dysfunction in Cystic Fibrosis: Implications for Airways Disease", Acta Paediatr. Scand.				
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				Filing Date	February 25, 2004
				First Named Inventor	Iris PECKER et al
				Art Unit	1652
				Examiner Name	RICHARD G. HUTSON
Sheet	7	Of	33	Attorney Docket Number	27674
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R D	102	Bork "Go Hunting in Sequence Databases But Watch Out for the Traps", Trends in Genetics, 12(10): 425-427, 1996.			
	103	Bork "Powers and Pitfalls in Sequence Analysis: The 70% Hurdle", Genome Research, 10 : 398-400, 2000.			
	104	Bost et al. "Antibodies Against A Peptide Sequence Within the HIV Envelope Protein Crossreacts With Human Interleukin-2", Immunol. Invest., 17: 577-586, 1988.			
	105	Boucher et al. "Mucoïd Pseudomonas Aeruginosa in Cystic Fibrosis: Characterization of Muc Mutations in Clinical Isolates and Analysis of Clearance in A Mouse Model of Respiratory Infection", Infect. Immun., 65(9): 3838-3846, 1997. Abstract.			
	106	Boucher et al. "Two Distinct Loci Affecting Conversion to Mucoïd Pseudomonas Aeruginosa in Cystic Fibrosis Encode Homologs of the Serine Protease HtrA", J. Bacteriol., 178(2): 511-523, 1996. Abstract.			
	107	Bowie et al. "Deciphering the Message in Protein Sequences: Tolerance to Amino Acid Substitutions", Science, 247: 1306-1310, 1990.			
	108	Brenner "Errors in Genome Annotation", Trends in Genetics, 15(4): 132-133, 1999.			
	109	Brinster et al. "Restoration of Fertility by Germ Cell Transplantation Requires Effective Recipient Preparation", Biology of Reproduction 69: 412-420, 2003. Abstract.			
	110	Burch et al. "Oligodeoxynucleotides Antisense to the Interleukin 1 Receptor mRNA Block the Effects of Interleukin 1 in Cultured Murine and Human Fibroblasts and in Mice", Journal of Clinical Investigation, 88: 1190, 1991. Abstract.			
	111	Burrows et al. "Trophoblast Migration During Human Placental Implantation", Hum. Reprod. Update, 2(4): 307-321, 1996.			
	112	Cai et al. "Comparison of Sputum Processing Techniques in Cystic Fibrosis", Pediatr. Pulmonol., 22(6): 402-407, 1996. Abstract.			
	113	Calabretta et al. "Normal and Leukemic Hematopoietic Cell Manifest Differential Sensitivity to Inhibitory Effects of C-myc Antisense Oligodeoxynucleotides: An In Vitro Study Relevant to Bone Marrow Purging", Proc. Natl. Acad. Sci. USA, 88: 2351-2355, 1991.			
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	115	Carlone et al. "Embryonic Modulation of Basic Fibroblast Growth Factor in the Rat Uterus", Biology of Reproduction, 49(4): 653-665, 1993.			
	116	Carpentier et al. "DNA Vaccination With HuD Inhibits Growth of A Neuroblastoma in Mice", Clinical Cancer Research, 4: 2819-2824. 1998.			
	117	Carson et al. Mucin and Proteoglycan Functions in Embryo Implantation", BioEssays, 20(7): 577-583, 1998. Abstract, P.580, Col.2, § 2, P.582, Col 1, Fig.1.			
	118	Chang et al. "Differential Ability of Heparan Sulfate Proteoglycans to Assemble the Fibroblast Growth Factor Receptor Complex In Situ", FASEB Journal, 14: 137-144, 2000.			
	119	Cheng et al. "Increased Sulfation of Glycoconjugates NY Cultured Nasal Epithelia Cells From Patients With Cystic Fibrosis", Journal of Clinical Invetment, 84(1): 68-72, 1989. Abstract.			
	120	Chow et al. "Development of An Epithelium-Specific Expression Cassette With Human DNA Regulatory Elements for Transgene Expression in Lung Airways", Proc. Natl. Acad. Sci. USA, 94: 14695-14700, 1997.			
	121	Chubet et al. "Vectors for Expression and Secretion of FLAG Epitope-Tagged Proteins in Mammalian Cells", BioTechniques, 20: 136-141, 1996.			
	122	Cohen "Oligonucleotide Therapeutics", Trends in Biotechnology 10: 87-91, 1992. Abstract.			
	123	Coligan et al. "Current Protocols in Immunology", Immunology - Laboratory Manuals, 1991.			
	124	Colman "Effects of Amino Acid Sequence Changes on Antibody-Antigen Interactions", Research in Immunology, 145(1): 33-36. 1994. Suppl. IDS in 25783;			
125	Coombe et al. "Analysis of the Inhibition of Tumor Metastasis by Sulphated Polysaccharides", Int. J. Cancer, 39: 82-88, 1987. Abstract.				
126	Crystal "Gene Therapy Strategies for Pulmonary Disease", American Journal of Medicine, 92 (Suppl.64): 6A-44S - 6A-52S, 1992.				
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	127	Dasgupta et al. "Reduction in Viscoelasticity in Cystic Fibrosis Sputum In Vitro Using Combined Treatment With Nacystelyn and RhDNase", Pediatric Pulmonology, 22: 161-166, 1996.			
	128	Davies et al. "Regulation of the Alginate Biosynthesis Gene AlgC in Pseudomonas Aeruginosa During Biofilm Development in Continuous Culture", Appl. Environ. Microbiol., 61(3): 860-867, 1995. Abstract.			
	129	De Vouge et al. "Immunoselection of GRP94/Endoplasmic Reticulum From A KNRK Cell-Specific cDNA Library Using Antibodies Directed Against A Putative Heparanase Amino-Terminal Peptide", Int. J. Cancer, 56: 286-294, 1994.			
	130	Dempsey et al. "Heparanase, A Potential Regulator of CellMatrix Interactions", TIBS, 25(8): 349-351, 2000. P.350, Col.1, § 1, Col.3, § 1, Claims 1-24.			
	131	Dibrino "RT-PCR Method & Applications", Clontech Laboratories, 1st Ed., 1: 11, 15, 23, 41, 26, 1991.			
	132	Doerks et al. "Protein Annotation: Detective Work for Function Prediction", Trends in Genetics, 14(6): 248-250, 1998.			
	133	Doetschman "Interpretation of Phenotype in Genetically Engineered Mice", Laboratory Animal Science, 49(2): 137-143, 1999.			
	134	Drigues et al. "Comparative Studies of Lipopolysaccharide and Exopolysaccharide From A Virulent Strain of Pseudomonas Solanacearum and From Three Avirulent Mutants", Journal of Bacteriology, 162(2): 504-509, 1985. Abstract.			
	135	Ducy et al. "The Osteoblast: A Sophisticated Fibroblast Under Central Surveillance", Science, 289: 1501-1504, 2000.			
	136	Duff "Transgenic Mice Overexpressing Presenilin cDNAs: Phenotype and Utility in the Modeling of Alzheimer's Disease", Central Nervous System Diseases, P.123-128, 2000. Abstract.			
	137	Duffy et al. "Maximizing Flap Survival in A Prefabrication Model Using Exogenous and Endogenous bFGF: A New Approach", Microsurgery, 17(4): 176-179, 1996. Abstract.			
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	138	Durand et al. "Active-Site Motifs of Lysosomal Acid Hydrolases: Invariant Features of Clan GH-A Glycosyl Hydrolases Deduced From Hydrophobic Cluster Analysis", <i>Glycobiology</i> , 7(2): 277-284, 1997.			
	139	Edwards et al. "Some Properties and Applications of Monoclonal Antibodies", <i>Biochem. Journal</i> , 200: 1-10, 1981.			
	140	Ehle et al. "Immunoaffinity Chromatography of Enzymes", <i>Bioseparation</i> , 1(2): 97-110, 1990.			
	141	Ejima et al. "Induction of Apoptosis in Placentas of Pregnant Mice Exposed to Lipopolysaccharides: Possible Involvement of Fas/Fas Ligand System", <i>Biology of Reproduction</i> , 62: 178-185, 2000. Abstract.			
	142	Elkin et al. "Heparanase as Mediator of Angiogenesis: Mode of Action", <i>The FASEB Journal</i> , 15: 1661-1663, 2001.			
	143	Elkin et al. "Heparanase as Mediator of Angiogenesis: Mode of Action", <i>The FASEB Journal</i> , Published Online, 10 P. 2001.			
	144	Ennis et al. "Rapid Cloning of HLA-A,B cDNA by Using the Polymerase Chain Reaction: Frequency and Nature of Errors Produced in Amplification", <i>PNAS USA</i> , 87: 2833-2837, 1990.			
	145	Esko et al. "Tumor Formation Dependent on Proceglycans Biosynthesis", <i>Science</i> , 241(4869): 1092-1096, 1988. Abstract.			
	146	Evans et al. "Human Chromosome 11 187a8 Cosmid, Complete Sequence", <i>Database EMBL</i> , Accession No. U73640, XP002198427, 1996. Abstract.			
	147	Faber-Elman et al. "Involvement of Wound-Associated Factors in Rat Brain Astrocyte Migratory Response to Axonal Injury: In Vitro Simulation", <i>J. Clin. Invest.</i> , 97(1): 162-171, 1996.			
	148	Fairbanks et al. "Processing of the Human Heparanase Precursor and Evidence that the Active Enzyme Is A Heterodimer", <i>The Journal of Biological Chemistry</i> , 274(42): 29587-29590, 1999.			
	149	Farndale et al. "A Direct Spectrophotometric Microassay for Sulfated Glycosaminoglycans in Cartilage Cultures", <i>Connective Tissue Research</i> , 9: 247-248, 1982.			
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	151	Finkel "Potential Target Found for Antimetastasis Drugs", Science, 285: 33-34, 1999.			
	152	Flanagan et al. "Potent and Selective Gene Inhibition Using Antisense Oligodeoxynucleotides", Molecular and Cellular Biochemistry, 172: 213-225, 1997.			
	153	Frederiksen et al. "Antibiotic Treatment of Initial Colonization with Pseudomonas Aeruginosa Postpones Chronic Infection and Prevents Deterioration of Pulmonary Function in Cystic Fibrosis", Pediatr. Pulmonol. 23(5): 330-335, 1997. Abstract.			
	154	Frederiksen et al. "Changing Epidemiology of Pseudomonas Aeruginosa Infection in Danish Cystic Fibrosis Patients (1974-1995)", Pediatr. Pulmonol., 28(3): 159-166, 1999. Abstract.			
	155	Freeman et al. "A Rapid Quantitative Assay for the Detection of Mammalian Heparanase Activity", Biochemical Journal, 325: 229-237, 1997.			
	156	Friedman et al. "Regulated Expression of Homeobox Genes Msx-1 and Msx-2 in Mouse Mammary Gland Development Suggests A Role in Hormone Action and Epithelial-Stromal Interactions", Developmental Biology, 177: 347-355, 1996.			
	157	Gabriel et al. "In Vitro Adherence of Pseudomonas Aeruginosa to Four Intraocular Lenses", J. Cataract Refract Surg., 24: 124-129, 1998.			
	158	Gantt et al. "Cell Adhesion to A Motif Shared by the Malaria Circumsporozoite Protein and Thrombospondin Is Mediated by Its Glycosaminoglycan-Binding Region and Not by CSVTCG", J. Biol. Chem., 272(31): 19205-19213, 1997. Abstract.			
	159	Garner "Epidermal Regulation of Dermal Fibroblast Activity", Plast. Reconstr. Surg., 102(1):135-139, 1998. Abstract.			
	160	Gewirtz et al. "Facilitating Oligonucleotide Delivery: Helping Antisense Deliver on Its Promise", Proc. Natl. Acad. Sci. USA, 93: 3161-3163, 1996.			
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	162	Ghani et al. "Ceftazidime, Gentamicin, and Rifampicin, in Combination, Kill Biofilms of Muroid Pseudomonas Aeruginosa", Can. J. Microbiol., 43(11): 999-1004, 1997. Abstract.			
	163	Gilat et al. "Molecular Behaviour Adapts to Context: Heparanase Functions as An Extracellular Matrix-Degrading Enzyme or as A T-Cell Adhesion Molecule, Depending on the Local PH", Journal of Experimental Medicine, 181: 1929-1934, 1995.			
	164	Giuffre et al. "Monocyte Adhesion to Activated Aortic Endothelium: Role of L-Selectin and Heparan Sulfate Proteoglycans", J. Cell Biol., 136(4): 945-956, 1997. Abstract.			
	165	Godder et al. "Heparanase Activity in Cultured Endothelial Cells", Journal of Cellular Physiology, 148: 274-280, 1991.			
	166	Goldberg et al. "An Improved Method for Determining Proteoglycans Synthesized by Chondrocytes in Culture", Live Tissue Research, 24: 265-275, 1990.			
	167	Goldshmidt et al. "Cell Surface Expression and Secretion of Heparanase Markedly Promote Tumor Angiogenesis and Metastasis", Proc. Natl. Acad. Sci. USA, 99(15): 10031-10036, 2002.			
	168	Gordon-Cardo et al. "Expression of Basic Fibroblast Growth Factor in Normal Human Tissues", Laboratory Investigation, 63: 832-840, 1990. Abstract.			
	169	Gorodetsky et al. "Isolation and Characterization of the Bos Taurus $\beta$ -Casein Gene", Gene, 66: 87-96, 1988. Abstract.			
	170	Gottschalk et al. "Somatic Gene Therapy. Present Situation and Future Perspective", Arzneimittelforschung, 48(11): 1111-1120, 1998. Abstract.			
	171	Green et al. "Antisense Oligonucleotides: An Evolving Technology for the Modulation of Gene Expression in Human Disease", Journal of American Cell Surgery, 191(1): 93-105, 2000.			
	172	Gurieci et al. "CD44 Isoforms With Exon V6 and Metastasis of Primary N0M0 Breast Carcinomas", Breast Cancer Res. Treat., 44(3):261-268, 1997. Abstract.			
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				Filing Date	February 25, 2004
				First Named Inventor	Iris PECKER et al
				Art Unit	1652
				Examiner Name	RICHARD G. HUTSON
Sheet	13	Of	33	Attorney Docket Number	27674
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	173	Hagiwara et al. "Inhibitory Effect of Heparin on Red Blood Cell Invasion by Theileria Sergenti Merozoites", Int. J. Parasitol., 27(5): 535-539, 1997. Abstract.			
	174	Haimov-Kochman et al. "Localization of Heparanase in Normal and Pathological Human Placenta", Molecular Human Reproduction, 8(6): 566-573, 2002.			
	175	Hammer et al. "Spontaneous Inflammatory Disease in Transgenic Rats Expressing HLA-B27 and Human ?2m: An Animal Model of HLA-B27-Associated Human Disorders", Cell, 63: 1099-1112, 1990.			
	176	Harlow et al. "Antibodies - A Laboratory Manual", Cold Spring Harbor Press, P. 471-510, 1988.			
	177	Harvey et al. "Expression of Exogenous Protein in the Egg White of Transgenic Chickens", Nature Biotechnology, 19: 396-399, 2002.			
	178	Hatano et al. "Biologic Activities of Antibodies to the Neutral-Polysaccharide Component of the Pseudomonas Aeruginosa Lipopolysaccharide Are Blocked by O Side Chains and Mucoic Acid Polysaccharide (Alginate)", Infect. Immun., 63(1): 21-26.			
	179	Hatch et al. "Alginate Lyase Promotes Diffusion of Aminoglycosides Through the Extracellular Polysaccharide of Mucoic Acid Pseudomonas Aeruginosa", Antimicrob. Agents. Chemother., 42(4): 974-977, 1998. Abstract.			
	180	Hayward et al. "Cellular Mechanisms of Heparinase III Protection in Rat Traumatic Shock", American Journal of Physiology, 275: H23-H30, 1998.			
	181	Herrera et al. "Mediation of Trypanosoma Cruzi Invasion by Heparan Sulfate Receptors on Host Cells and Penetrin Counter-Receptors on the Trypanosomes", Molecular & Biochemical Parasitology, 65(1): 73-83, 1994. Abstract.			
	182	Hida et al. "Antisense E1AF Transfection Restrains Oral Cancer Invasion by Reducing Matrix Metalloproteinase Activities", Am. J. Pathol., 50(6): 2125-2132, 1997. Abstract.			
	183	Hill et al. "Organ-Specific Over-Sulfation of Glycosaminoglycans and Altered Extracellular Matrix in A Mouse Model of Cystic Fibrosis", Biochem. Mol. Med., 62(1): 113-122, 1997. Abstract.			
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	184	Hillier et al. "The WashU-Merck EST Project" GenBank Entry N32056, 1996.			
	185	Hillier et al. "The WashU-Merck EST Project", Database EMBL Accession No. N45367, XP 002198420, 1996. Abstract.			
	186	Hillier et al. "The WashU-Merck EST Project", No. N30824, Database GenBank on STN, US National Library of Medicine (Bethesda MD), 1996.			
	187	Hillier et al. "The WashU-Merck EST Project", No. N30845, Database GenBank on STN, US National Library of Medicine (Bethesda MD), 1996.			
	188	Hoffman et al. "Human Bone Morphogenic Protein 2 Contains A Heparin-Binding Site Which Modifies Its Biological Activity", Eur. J. Biochem., 237(1): 295-302, 1996. Abstract.			
	189	Hoogewerf et al. "CXC Chemokines Connective Tissue Activating Peptide-III and Neutrophil Activating Peptide-2 Are Heparin/Heparan Sulfate-Degrading Enzymes", Journal of Biological Chemistry, 270(7): 3268-3277, 1995.P.3269.			
	190	Hormuzdi et al. "A Gene-Targeting Approach Identifies A Function for the First Intron in Expression of the $\alpha 1(I)$ Collagen Gene.", Mol Cell Biol., 18(6): 3368-3375, 1998. Abstract.			
	191	Hsueh et al. "Invasive Streptococci Pneumoniae Infection Associated With Rapidly Fatal Outcome in Taiwan", J. Formos Med. Assoc., 95(5): 364-371, 1996. Abstract.			
	192	Hudson "Recombinant Antibody Fragment", Curr. Opin. Biotech., 4:395-402, 1998. Abstract.			
	193	Imai et al. "Osteoblast Recruitment and Bone Formation Enhanced by Cell Matrix-Associated Heparin-Binding Growth-Associated Molecule (HB-GAM)", J. Cell. Biol. 143(4): 1113-1128, 1998. [Abstract]			
	194	Inui et al. "Local Application of Basic Fibroblast Growth Factor Minipellet Induces the Healing of Segmental Bony Defects in Rabbits", Calcified Tissue International, 63(6): 490-495, 1998. Abstract.			
	195	Irimura et al. "Chemically Modified Heparins as Inhibitors of Heparan Sulfate Specific Endo- $\beta$ -Glucuronidase (Heparanase) of Metastatic Melanoma Cells", Biochemistry, 25: 5322-5328, 1986. Abstract.			
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	196	Jackson "The Use of Polyacrylamide-Gel Electrophoresis for the High-Resolution of Separation of Reducing Saccharides Labelled With the Fluorophore 8-Aminonaphthalene-1, 3, 6-Trisulphonic Acid", Biochem J., 270: 705-713, 1990.			
	197	Jayaraman et al. "Rational Selection and Quantitative Evaluation of Antisense Oligonucleotides", Biochimica et Biophysica Acta, 1520: 105-114, 2001.			
	198	Jin et al. "Immunochemical Localization of Heparanase in Mouse and Human Melanomas", International Journal of Cancer, 45: 1088-1095, 1990.			
	199	Jin et al. "Molecular Cloning and Expression of Human Heparanase cDNA", Proceedings American Association for Cancer Research Annual Meeting, 1992, 33: 57, 1992. Abstract.			
	200	Johansen et al. "Vaccination Promotes TH1-Like Inflammation and Survival in Chronic Pseudomonas Aeruginosa Pneumonia: A New Prophylactic Principle", Behring Institut Mitteilungen, 98: 269-273, 1997. Abstract.			
	201	Jorba et al. "Variations in the P. Aeruginosa Polysaccharide Synthesis Conditioned by Aminosugars", Rev. Esp. Fisiol., 36(2): 155-161, 1980. Abstract.			
	202	Jusa et al. "Effect of Heparinon on Infection of Cells by Porcine Reproductive and Respiratory Syndrome Virus", American Journal of Vet. Res., 58(5): 488-491, 1997. Abstract.			
	203	Kang et al. "Prolactin-Inducible Enhancer Activity of the First Intron of the Bovine beta-Casein Gene", Mol. Cells, 8(3): 259-265, 1998. Abstract.			
	204	Kato et al. "Physiological Degradation Converts the Soluble Syndecan-1 Ectodomain From An Inhibitor to A Potent Activator of FGF-2", Nature Medicine, 4(6): 691-697, 1998.			
	205	Kawaja et al. "Employment of Fibroblasts for Gene Transfer: Applications for Grafting Into the Central Nervous System", Genetic Engineering. NY, 13: 205-220, 1991. Abstract.			
	206	Kawase et al. "Effect of Partial Incision of the Zona Pellucida by Piezo-Micromanipulator for In Vitro Fertilization Using Frozen-Thawed Mouse Spermatozoa on the Developmental Rate of Embryos Transferred at the 2-Cell Stage", Biology of Reproduction, 66: 3810385, 2002. Abstract.			
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	207	Kiberstis et al. "Bone Health in the Balance", Science, 289: 1497, 2000.			
	208	Kizaki et al. "Cloning and Localization of Heparanase in Bovine Placenta", Placenta, 24: 424-430, 2003.			
	209	Kizaki et al. "Expression of Heparanase mRNA in Bovine Placenta During Gestation", Reproduction, 121: 573-580, 2001. Suppl. IDS in 23665;			
	210	Köhler et al. "Continuous Cultures of Fused Cells Secreting Antibody of Predefined Specificity", Nature, 256: 495-497, 1975.			
	211	Konstan et al. "Current Understanding of the Inflammatory Process in Cystic Fibrosis", Pediatric Pulmonology, 24: 137-142, 1997.			
	212	Konstan et al. "Patterns of Medical Practice in Cystic Fibrosis: Part II. Use of Therapies", Pediatr. Pulmonol., 28(4): 248-54, 1999. Abstract.			
	213	Korb et al. "Stimulation of Gene Expression by Introns: Conversion of An Inhibitory Intron to A Stimulatory Intron by Alteration of the Splice Donor Sequence", Nucleic Acids Research, 21(25): 5901-5908, 1993.			
	214	Kosir et al. "Early Human Breast Carcinoma Cells Produce Extra Cellular Heparanase", Molecular Biology/Biochemistry, Proceedings of the American Association for Cancer Research, 37: 495, 1996.			
	215	Kosir et al. "Human Prostate Carcinoma Cells Produce Extracellular Heparanase", Journal of Surgical Research, 67: 98-105, 1997.			
	216	Krivit et al. "Microglia: The Effector Cell for Reconstitution of the Central Nervous System Following Bone Marrow Transplantation for Lysosomal and Peroxisomal Storage Diseases", Cell Transplant, 4(4): 385-392, 1995. Abstract.			
	217	Kronewett et al. "Oligodeoxyribonucleotide Uptake in Primary Human Hematopoietic Cells Is Enhanced by Cationic Lipids and Depends on the Hematopoietic Cell Subset", Blood, 91(3): 852-862, 1998.			
	218	Krusat et al. "Heparin-Dependent Attachment of Respiratory Syncytial Virus (RSV) to Host Cells", Arch. Virol., 142(6): 1247-1254, 1997. Abstract.			
	219	Kurachi et al. "Role of Intron I in Expression of the Human Factor IX Gene", Journal of Biological Chemistry, 270(10): 5276-5281, 1995.			
	220	Kuyvenhoven et al. "Assessment of Serum Matrix Metalloproteinases MMP-2 and MMP-9 After Human Liver Transplantation: Increased Serum MMP-9 Level in Acute Rejection", Transplantation, 77(11): 1646-1652, 2004. Abstract.			
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	223	Lampard et al. "Secretion of Foreign Proteins Mediated by Chicken Lysozyme Gene Regulatory Sequences", Biochem. Cell Biol., 80(6): 777-788, 2002. Abstract.			
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	225	Le Fur et al. "Selective Increase in Specific Alternative Splice Variants of Tyrosinase in Murine Melanomas: A Projected Basis for Immunotherapy", Proc. Natl. Acad. Sci. USA, 94: 5332-5337, 1997.			
	226	Lederman et al. "A Single Amino Acid Substitution in A Common African Allele of the CD4 Molecule Ablates Binding of the Monoclonal Antibody, OKT4", Molecular Immunology, 28: 1171-1181, 1991.			
	227	Leong et al. "Different Classes of Proteoglycans Contribute to the Attachment of Borrelia Burgdorferi to Cultured Endothelial and Brain Cells", Infect. Immun., 66(3): 994-999, 1998. Abstract.			
	228	Lessey et al. "Paracrine Signaling in the Endometrium: Integrins and the Establishment of Uterine Receptivity", J. Reprod. Immunol., 39(1-2): 105-116, 1998. Abstract.			
	229	Li et al. "Immunochemical Localization of Heparanase in Mouse and Human Melanomas", Int. J. Cancer, 45: 1088-1095, 1990.			
	230	Li et al. "In Vivo Fragmentation of Heparan Sulfate by Heparanase Overexpression Renders Mice Resistant to Amyloid Protein A Amyloidosis", PNAS, 102(18): 6473-6477, 2005.			
	231	Li et al. "β-Endorphin Omission Analogs: Dissociation of Immunoreactivity From Other Biological Activities", PNAS, 77: 3211-3214, 1980.			
	232	Lider et al. "Inhibition of T Lymphocyte Heparanase by Heparin Prevents T Cell Migration and T Cell-Mediated Immunity", European Journal of Immunology, 20(3): 493-499, 1990. Abstract.			
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	234	Liu et al. "Live Offspring by In Vitro Fertilization of Oocytes From Cryopreserved Primordial Mouse Follicles After Sequential In Vivo Transplantation and In Vitro Maturation", Biology of Reproduction, 64: 171-178, 2001. Abstract.			
	235	Loredo et al. "Regulation of Glycosaminoglycan Metabolism by Bone Morphogenetic Protein-2 in Equine Cartilage Explant Cultures", Am. J. Vet. Res., 57(4): 554-559, 1996.			
	236	Luft " Making Sense Out of Antisense Oligodeoxynucleotide Delivery: Getting There Is Half the Fun". J. Mol. Med, P.75-76. 1998.			
	237	Macone et al. "Mucoid Escherichia Coli in Cystic Fibrosis", The New England Journal of Medicine, 304(24): 1445-1449, 1981. Abstract.			
	238	Maillard et al. "Pre-Treatment With Elastase Improves the Efficiency of Percutaneous Adenovirus-Mediated Gene Transfer to the Arterial Media", Gene Therapy, 5: 1023-1030, 1998.			
	239	Marchetti et al. "Neurotrophin Stimulation of Human Melanoma Cell Invasion: Selected Enhancement of Heparanase Activity and Heparanase Degradation of Specific Heparan Sulfate Subpopulations", Cancer Research, 56: 2856-2863, 1996. Also in: Advances in Enzyme Regulation, 37: 111-134, 1997.			
	240	Marra et al. ""The WashU-HHMI Mouse EST Project", Database EMBL, Accession No. AI122034, XP 002198426, 1998. Abstract.			
	241	Marra et al. "The WashU-HHMI Mouse Est Project", Database EMBL, Accession No. AA047943, XP002198424, 1996.			
	242	Marty et al. "Influence of Nutrient Media on the Chemical Composition of the Expolysaccharide From Mucoid and Non-Mucoid Pseudomonas Aeruginosa", FEMS Microbiol. Letters, 77(1-3): 35-44, 1992. Abstract.			
	243	Massague "The TGF-BETA Family of Growth and Differentiation Factors", Cell, 49: 437-438, 1987.			
	244	Mateo et al. "Humanization of A Mouse Monoclonal Antibody That Blocks the Epidermal Growth Factor Receptor: Recovery Antagonistic Activity", Immunotechnology, 3: 71-81, 1997. Abstract.			
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				First Named Inventor	Iris PECKER et al
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Sheet	19	Of	33	Attorney Docket Number	27674
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	245	Matoba et al. "Evaluation of Omental Implantation for Perforated Gastric Ulcer Therapy: Findings in A Rat Model", J. Gastroenterol., 31(6): 777-784, 1996. Abstract.			
	246	Matzner et al. "Degradation of Heparan Sulfate in the Subendothelial Extracellular Matrix by A Readily Released Heparanase From Human Neutrophils", Journal of Clinical Investigation, 76(4): 1306-1313, 1985.			
	247	McKenzie et al. "Biochemical Characterization of the Active Heterodimer Form of Human Heparanase (Hpa1) Protein Expressed in Insect Cells", Biochemical Journal, 373: 423-435, 2003.			
	248	Meluleni et al. "Mucoïd Pseudomonas Aeruginosa Growing in A Biofilm In Vitro Are Killed by Opsonic Antibodies to the Mucoïd Exopolysaccharide Capsule But Not by Antibodies Produced During Chthonic Lung Infection in Cystic Fibrosis Patients", J. Immun., 155(4): 2029-2038, 1995. Abstract.			
	249	Menezo et al. "Mouse and Bovine Models for Human IVF", Reproductive BioMedicine Online 2002, 4(2): 170-175, 2002. Abstract.			
	250	Mengistu et al. "Continuous Culture Studies on the Synthesis of Capsular Polysaccharide by Klebsiella Pneumoniae K1", J. Appl. Bacteriol., 76(5): 424-430, 1994. Abstract.			
	251	Miao et al. "Cloning, Expression and Purification of Mouse Heparanase", Protein Expression and Purification, 26: 425-431, 2002.			
	252	Miao et al. "Modulation of Fibroblast Growth Factor-2 Receptor Binding Dimerization, Signaling, and Angiogenic Activity by A Synthetic Heparin-Mimicking Polyaromatic Compound", J. Clin. Invest., 99(7): 1565-1575, 1997.			
	253	Miller et al. "Xenograft Model of Progressive Human Proliferative Breast Disease", J. Nat. Cancer Inst., 85: 1725-1732, 1993. Abstract.			
	254	Mirault et al. "Transgenic Glutathione Peroxidase Mouse Models for Neuroprotection Studies", Ann. NY Acad. Sci., 738: 104-115, 1994. Abstract.			
	255	Miyake et al. "Highly Specific and Sensitive Detection of Malignancy in Urine Samples From Patients With Urothelial Cancer by CD44v8-10/CD44v10 Competitive RT-PCR", Int. J. Cancer, 79(6): 560-564, 1998. Abstract.			
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	256	Mohapatra et al. "Alteration of Sulfation of Glycoconjugates, But Not Sulfate Transport and Intracellular Inorganic Sulfate Content in Cystic Fibrosis Airway Epithelial Cells", <i>Pediatr. Res.</i> , 38(1): 42-48, 1995. Abstract.			
	257	Mollinedo et al. "Major Co-Localization of the Extracellular-Matrix Degradative Enzymes Heparanase and Gelatinase in Tertiary Granules of Human Neutrophils", <i>Biochemical Journal</i> , 327: 917-923, 1997.			
	258	Morrison et al. "Sequences in Antibody Molecules Important for Receptor-Mediated Transport Into the Chicken Egg Yolk", <i>Mol. Immunol.</i> , 38(8): 619-625, 2002.			
	259	Moser et al. "Chronic Pseudomonas Aeruginosa Lung Infection Is More Severe in Th2 Responding BALB/c Mice Compared to Th1 Responding C3H/HeN Mice", <i>APMIS</i> , 105(11): 838-842, 1997. Abstract.			
	260	Moses et al. "Relative Contributions of Hyaluronic Capsule and M Protein to Virulence in A Mucoid Strain of the Group A Streptococcus", <i>Infect. Immun.</i> , 65(1): 64-71, 1997.			
	261	Muir et al. "Histomorphometric Analysis of the Effects of Standard Heparin on Trabecular Bone In Vivo", <i>Blood</i> , 88(4): 1314-1320, 1996. Abstract.			
	262	Mullins et al. "Expression of the DBA/2J Ren-2 Gene in the Adrenal Gland of Transgenic Mice", <i>The EMBO Journal</i> , 8(13): 4065-4072, 1989.			
	263	Mullins et al. "Fulminant Hypertension in Transgenic Rats Harboring the Mouse Ren-2 Gene", <i>Nature</i> , 344: 541-544, 1990.			
	264	Murphy et al. "The Latent Collagenase and Gelatin of Human Polymorphonuclear Neutrophil Leucocytes", <i>Biochem. J.</i> , 192: 517-525, 1980.			
	265	Murray et al. "The Extracellular Matrix", <i>Harper's Biochemistry</i> , McGraw-Hill Professional, 24th Ed., Chap.57, P.667-685, 1998.			
	266	Nadav et al. "Activation, Processing and Trafficking of Extracellular Heparanase by Primary Human Fibroblasts", <i>Journal of Cell Science</i> , 115(10): 2179-2187, 2002.			
	267	Nakajima "Heparanases and Tumor Metastasis", <i>Tanpakushitsu Kakusan Koso</i> , 37(11): 1753-1758, 1992. Abstract.			
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	269	Nakajima et al. "Heparan Sulfate Degradation: Relation to Tumor Invasion and Metastatic Properties of Mouse B16 Melanoma Sublines", Science, 220: 611-613, 1983.			
	270	Naparstek et al. "Activated T Lymphocytes Produce A Matrix-Degrading Heparan Sulphate Endoglycosidase", Nature, 310(5974): 241-244, 1984. Abstract.			
	271	Newbold et al. "Exposure to Diethylstilbestrol During Pregnancy Permanently Alters the Ovary and Oviduct", Biology of Reproduction, 28: 735-744, 1983. Abstract.			
	272	Ngo et al. "Computational Complexity, Protein Structure Prediction, and the Levinthal Paradox", The Protein Folding Problem and Tertiary Structure Prediction, Birkhauser, Boston, P.433, 492-495, 1994.			
	273	Nilsson et al. "The Role of Staphylococcal Polysaccharide Microcapsule Expression in Septicemia and Septic Arthritis", Infect. Immun., 65(10): 4216-21, 1997. Abstract.			
	274	Niwa et al. "Efficient Selection for High-Expression Transfectants With A Novel Eukaryotic Vector", Gene, 108(2): 193-199, 1991. Abstract.			
	275	Novagen "PET System Manual", Novagen, 6th Ed., P.11, 1995.			
	276	Ofek et al. "Bacterial Adhesion to Cells and Tissues", Chapman & Hall, NY, P.114-118, 148-153, 418-423, 420-423, 1994.			
	277	Oldberg et al. "Characterization of A Platelet Endoglycosidase Degrading Heparin-Like Polysaccharides", Biochemistry, 19: 5755-5762, 1980.			
	278	Oosta et al. "Purification and Properties of Human Platelets Heparitanase", J. Biol. Chem., 257(19): 11249-11255, 1982.			
	279	Ornitz et al. "Heparin Is Required for Cell-Free Binding of Basic Fibroblast Growth Factor to A Soluble Receptor and for Mitogenesis in Whole Cells", Molecular and Cellular Biology, 12: 240-247, 1992.			
	280	Pasquier et al. "Implication of Neutral Polysaccharides Associated to Alginate in Inhibition of Murine Macrophage Response to Pseudomonas Aeruginosa", FEMS Microbiol. Lett., 147(2): 195-202, 1997. Abstract.			
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	282	Pfaff et al. "Cryobiology of Rat Embryos I: Determination of Zygote Membrane Permeability Coefficients for Water and Cryoprotectants, Their Activation Energies, and the Development of Improved Cryopreservation Methods", Biology of Reproduction, 63: 1294-1302, 2000. Abstract.			
	283	Pier "Rationale for Development of Immunotherapies That Target Mucoid Pseudomonas Aeruginosa Infection in Cystic Fibrosis Patients", Behring Inst. Mitt., 98: 350-360, 1997. Abstract.			
	284	Pier et al. "Cystic Fibrosis Transmembrane Conductance Regulator Is An Epithelial Cell Receptor for Clearance of Pseudomonas Aeruginosa From the Lung", Proc. Natl. Acad. Sci. USA, 94(22): 12088-12093, 1997.			
	285	Pier et al. "How Mutant CFTR May Contribute to Pseudomonas Aeruginosa Infection in Cystic Fibrosis", Am. J. Respir. Crit. Care Med., 154(4): S175-S182, 1996. Abstract.			
	286	Pilbeam et al. "Comparison of the Effects of Various Lengths of Synthetic Human Parathyroid Hormone-Related Peptide (hPTHrP) of Malignancy on Bone Resorption and Formation in Organ Culture", Bone, 14: 717-720, 1993.			
	287	Pina et al. "The Role of Fluoroquinolones in the Promotion of Alginate Synthesis and Antibiotic Resistance in Pseudomonas Aeruginosa", Curr. Microbiol., 35(2): 103-108, 1997. Abstract.			
	288	Pomahac et al. "Tissue Engineering of Skin", Crit. Rev. Oral Biol. Med., 9(3): 333-344, 1998. Abstract.			
	289	Pahalada et al. "Diethylstilbestrol-Induced Cervical and Vaginal Adenosis Using the Neonatal Mouse Model", Biology of Reproduction, 38: 935-943, 1988. Abstract.			
	290	Prockop "Marrow Stromal Cells as Stem Cells for Nonhematopoietic Tissues", Science, 276: 71-74, 1997.			
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	292	Rader et al. "A Phage Display Approach for Rapid Antibody Humanization: Designed Combinatorial V Gene Libraries", Proc. Natl. Acad. Sci. USA, 95: 8910-8915, 1998.			
	293	Raghuath et al. "Cultured Epithelial Autografts: Diving From Surgery Into Matrix Biology", Pediatr. Surg. Int., 12(7): 478-483, 1997. Abstract.			
	294	Rahmoune et al. "Chondroitin Sulfate in Sputum From Patients With Cystic Fibrosis and Chronic Bronchitis", Am. J. Resp. Cell & Mol. Biol., 5(4): 315-320, 1991. Abstract.			
	295	Rajur et al. "Covalent Protein-Oligonucleotide Conjugates for Efficient Delivery of Antisense Molecules", Bioconjugate Chem., 8: 935-940, 1997.			
	296	Ramos et al. "Relationship Between Glycolysis and Exopolysaccharide Biosynthesis in Lactococcus Lactis", Appl. Environ. Microbiol., 67(1): 33-41, 2001. Abstract.			
	297	Ramsey et al. "Intermittent Administration of Inhaled Tobramycin in Patients With Cystic Fibrosis. Cystic Fibrosis Inhaled Tobramycin Study Group", New England Journal of Medicine, 340(1): 23-30, 1999. Abstract.			
	298	Reddi "Role of Morphogenetic Proteins in Skeletal Tissue Engineering and Regeneration", Nature Biotechnology, 16: 247-252, 1998.			
	299	Richards et al. "Construction and Preliminary Characterization of the Rat Casein and Alpha-Lactalbumin cDNA Clones", J. Biol. Chem., 256(1): 526-32, 1981.			
	300	Richardson et al. "Regulation of Basic Fibroblast Growth Factor Binding and Activity by Cell Density and Heparan Sulfate", J. Biological Chemistry, 274(19): 13534-13540, 1990.			
	301	Ricoverti et al. "Heparan Sulfate Endoglycosidase and Metastatic Potential in Murine Fibrosarcoma and Melanoma", Cancer Research, 46(8): 3855-3861, 1986. Abstract.			
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	302	Robert et al. "Chondroitin-4-Sulphate (Proeoglycan), A Receptor for Plasmodium Falciparum-Infected Erythrocyte Adherence on Brain Microvascular Endothelial Cells", Res. Immunol., 146(6): 383-393, 1995. Abstract.			
	303	Rubin "Emerging Therapies for Cystic Fibrosis Lung Disease", Chest, 115: 1120-1126, 1999.			
	304	Sasisekharan et al. "Cloning and Expression of Heparinase I Gene From Flavobacterium Heparinum", Proc. Natl. Acad. Sci. USA, 90: 3660-3664, 1993.			
	305	Sasisekharan et al. "Heparinase Inhibits Neovascularization", Proc. Natl. Acad. Sci. USA, 91: 1524-1528, 1994.			
	306	Savion et al. "Murine Macrophage Heparanase: Inhibition and Comparison With Metastatic Tumor Cells", Journal of Cellular Physiology, 130: 77-84, 1987.			
	307	Schoepe et al. "Neutralization of Hemolytic and Mouse Lethal Activities of C. Perfringens Alpha-Toxin Need Simultaneous Blockage of Two Epitopes by Monoclonal Antibodies", Microb. Pathogenesis, 23(1): 1-10, 1997. Abstract.			
	308	Schultz et al. "Growth Factors in Preimplantation Mammalian Embryos", Oxford Review of Reproduction in Biology, 15: 43-81, 1993. Abstract.			
	309	Schwartz et al. "CpG Motifs in Bacterial DNA Cause Inflammation in the Lower Respiratory Tract", J. Clin. Invest., 100(1): 68-73, 1997. Abstract.			
	310	Scott et al. "Visualization of An Extracellular Mucoic Layer of Treponema Denticola ATCC 35405 and Surface Sugar Lectin Analysis of Some Treponema Species", Oral Microbiol. Immunol., 12(2): 121-125, 1997. Abstract.			
	311	Selvan et al. "Heparan Sulfate in Immune Responses", Ann. NY Acad. Sci., 797: 127-139, 1996.			
	312	Service "Tissue Engineers Build New Bone", Science, 289: 1498-1500, 2000.			
	313	Sewell et al. "Human Mononuclear Cells Contain An Endoglycosidase Specific for Heparan Sulfate Glycosaminoglycan Demonstrable With the Use of A Specific Solid-Phase Metabolically Radiolabelled Substrate", Biochem J., 264: 777-783, 1989.			
	314	Shakibaei et al. "Dual Interaction of the Malaria Circumsporozoite Protein With the Low Density Lipoprotein Receptor-Related Protein (LRP) and Heparan Sulfate Proteoglycans", J. Exp. Med., 184(5): 1699-1711, 1996. Abstract.			
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	315	Shastry "Gene Disruption in Mice: Models of Development and Disease", Molecular and Cellular Biochemistry, 181: 163-179, 1998.			
	316	Shekhar et al. "Correlation of Differences in Modulation of Ras Expression With Metastatic Competence of Mouse Mammary Tumour Subpopulations", Invasion Metastasis, 14: 27-37, 1994/5.			
	317	Shimazu et al. "Syndecan-3 and the Control of Chondrocyte Proliferation During Endochondral Ossification", Exp. Cell. Res., 229(1): 126-136, 1996. Abstract.			
	318	Skolnick et al. "From Genes to Protein Structure and Function: Novel Applications of Computational Approaches in the Genomic Era", Trends in Biotechnology, 18: 34-39, 2000.			
	319	Smith et al. "Expression of Heparan Sulfate Protoglycan (Perlecan) in the Mouse Blastocyst Is Regulated During Normal and Delayed Implantation", Dev. Biol., 184(1): 38-47, 1997. Abstract.			
	320	Smith et al. "The Challenges of Genome Sequence Annotation or 'The Devil Is in the Details'", Nature Biotechnology, 15: 1222-1223, 1997.			
	321	Sordat et al. "Modulation of the Malignant Phenotype With the Urokinase-Type Plasminogen Activator and the Type I Plasminogen Activator Inhibitor", Cell Differentiation and Development, 32: 277-286, 1990.			
	322	Soule et al. "Isolation and Characterization of A Spontaneously Immortalized Human Breast Epithelial Cell Line, MCF-10", Cancer Res., 50: 6075-6086, 1990. Abstract.			
	323	Speert et al. "Modulation of Macrophage Function for Defense of the Lung Against Pseudomonas Aeruginosa", Behring Inst. Mitt., 98: 274-282, 1997. Abstract.			
	324	Spiegel et al. "Heparanase Facilitates Development and SDF-1 Induced Migration of Hematopoietic Stem and Progenitor Cells", Blood, 102(11): 825a-826a, 2003. Abstract# 3056.			
	325	Stracke et al. "Autotaxin, Tumor Motility-Stimulating Exophosphodiesterase", Advan. Enzyme Regul., 37: 135-144, 1997. Introduction.			
	326	Suggs et al. "Use of Synthetic Oligonucleotides as Hybridization Probes: Isolation of Cloned cDNA Sequences for Human ?2-Microglobulin", Proc. Natl. Acad. Ssci. USA, 78(11): 6613-6617, 1981. P.6613.			
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	328	Szczylik et al. "Selective Inhibition of Leukemia Cell Proliferation by BCR-ABL Antisense Oligodeoxynucleotides", Science, 253: 562-565, 1991. Abstract.			
	329	Tang et al. "Contribution of Specific Pseudomonas Aeruginosa Virulence Factors to Pathogenesis of Pneumonia in A Neonatal Mouse Model of Infection", Infect. Immun., 64(1): 37-43, 1996. Abstract.			
	330	Tatnell et al. "Characterisation of Alginates From Mucooid Strains of Pseudomonas Aeruginosa", Biochemical Society Transactions, 24: 404S, 1996.			
	331	Tatnell et al. "Chemical Analysis of Alginates From Mucooid Strains of Pseudomonas Aeruginosa", Biochemical Society Transactions, 22: 310S, 1994.			
	332	Tatnell et al. "Colonisation of Cystic Fibrosis Patients by Non-Mucooid Pseudomonas Aeruginosa - Characterisation of the Alginate From Mucooid Variants", Biochemical Society Transactions, 24: 406S, 1996.			
	333	Taurog et al. "HLA-B27 in Inbred and Non-Inbred Transgenic Mice", The Journal of Immunology, 141(11): 4020-4023, 1988.			
	334	Taylor et al. "A Colorimetric Method for the Quantitation of Uronic Acids and A Specific Assay for Galacturonic Acid", Analytical Biochemistry, 201: 190-196, 1992.			
	335	Thompson et al. "Identification of Chondroitin Sulfate E in Human Lung Mast Cells", J. Immunol., 140(8): 2708-2713, 1988. Abstract.			
	336	Thuong et al. "Sequence-Specific Recognition and Modification of Double-Helical DNA by Oligonucleotides", Angew.Chem. Int. Ed. Engl. 32: 666-690, 1993.			
	337	Van Heeckeren et al. "Excessive Inflammatory Response of Cystic Fibrosis Mice to Bronchopulmonary Infection With Pseudomonas Aeruginosa", J. Clin. Invest., 100(11): 2810-2815, 1997.			
	338	Vernet et al. "Virulence Factors (Aerobactin and Mucooid Phenotype) in Klebsiella Pneumoniae and Escherichia Coli Blood Culture Isolates", FEMS Microbiol. Lett., 130(1): 51-57, 1995. Abstract.			
	339	Vlodavsky et al. "Morphological Appearance, Growth Behaviour and Migratory Activity of Human Tumor Cells Maintained on Extracellular Matrix Versus Plastic", Cell, 19: 607-616, 1980.			
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	341	Vukicevic et al. "Induction of Nephrogenic Mesenchyme by Osteogenic Protein 1 (Bone Morphogenetic Protein 7)", Proc. Natl. Acad. Sci. USA, 93: 9021-9026, 1996.			
	342	Walch et al. "Correlation of Overexpression of the Low-Affinity p75 Neutrotrophin Receptor With Augmented Invasion and Heparanase Production in Human Malignant Melanoma Cells", Int. J. Cancer, 82: 112-120, 1999.			
	343	Wall "Transgenic Livestock: Progress and Prospects for the Future", Theriogenology, 45: 57-68, 1996.			
	344	Walton et al. "Prediction of Antisense Oligonucleotide Binding Affinity to A Structured RNA Target", Biotechnology and Bioengineering, 65(1): 1-9, 1999.			
	345	Wang "Basic Fibroblast Growth Factor for Stimulation of Bone Formation in Osteoinductive or Conductive Implants", Acta Orthop. Scand. Suppl., 269: 1-33, 1996. Abstract.			
	346	Wang "Basic Fibroblast Growth Factor Infused at Different Times During Bone Graft Incorporation. Titanium Chamber Study in Rats", Acta Orthop. Scand., 67(3): 229-236, 1996. Abstract.			
	347	Wang et al. "Basic Fibroblast Growth Factor Enhances Bone-Graft Incorporation: Dose and Time Dependence in Rats", J. Orthop. Res., 14(2): 316-323, 1996. Abstract.			
	348	Wang et al. "Isolation and Characterization of Pseudomonas Aeruginosa Genes Inducible by Respiratory Mucus Derived From Cystic Fibrosis Patients", Mol. Microbiol., 22(5): 1005-1012, 1996. Abstract.			
	349	Watson et al. "A Growth Factor Phenotype Map for Ovine Preimplantation Development", Biology of Reproduction, 50(4): 725-733, 1994. Abstract.			
	350	Webster et al. "FGFR Activation in Skeletal Disorders: Too Much of A Good Thing", TIG, 13(5): 178-182, 1997.			
	351	Welch et al. "Complex Saccharide Metabolism in Cystic Fibrosis Fibroblasts", Pediatr. Research, 9(9): 698-702, 1975.			
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	353	Weller "Implications of Early Inflammation and Infection in Cystic Fibrosis: A Review of New and Potential Interventions", Pediatric Pulmonology, 24: 143-146, 1997.			
	354	Wessels et al. "Effects on Virulence of Mutations in A Locus Essential for Hyaluronic Acid Capsule Expression in Group A Streptococci", Infect. Immun., 62(2): 433-441, 1994. Abstract.			
	355	Whitlock et al. "The Degradation of Human Endothelial Cell-Derived Perlecan and Release of Bound Basic Fibroblast Growth Factor by Stromelysin, Collagenase, Plasmin, and Heparanases", Journal of Biological Chemistry, 271(17): 10079-10086, 1996.			
	356	Wordinger et al. "The Immunolocalization of Basic Fibroblast Growth Factor in the Mouse Uterus During the Initial Stages of Embryo Implantation", Growth Factors, 11(3): 175-186, 1994. Abstract.			
	357	Yagel et al. "Normal Nonmetastatic Human Trophoblast Cells Share In Vitro Invasive Properties of Malignant Cells", J. Cellular Physiology, 136: 455-462, 1988.			
	358	Yazaki et al. "The Structure and Expression of the FGF Receptor-1 mRNA Isoforms in Rat Tissues", Biochimica et Biophysica Acta, 1172: 37-42, 1993.			
	359	Ye et al. "Targeted Gene Correction: A New Strategy for Molecular Medicine", Molecular Medicine Today, P.431-437, 1998.			
	360	Yesildaglar et al. "The Mouse as A Model to Study Adhesion Formation Following Endoscopic Surgery: A Preliminary Report", Human Reproduction, 14(1): 55-59, 1999. Abstract.			
	361	Yoshida "Effects of Basic Fibroblast Growth Factor on the Development of Mouse Preimplantation Embryos", Nippon Sanka Fujinka Gakkai Zasshi, 48(3): 170-176, 1996. Abstract.			
	362	Yu et al. "Microbial Pathogens in Cystic Fibrosis: Pulmonary Clearance of Mucooid Pseudomonas Aeruginosa and Inflammation in A Mouse Model of Repeated Respiratory Challenge", Infection and Immunity, 66(1): 280-288, 1998.			
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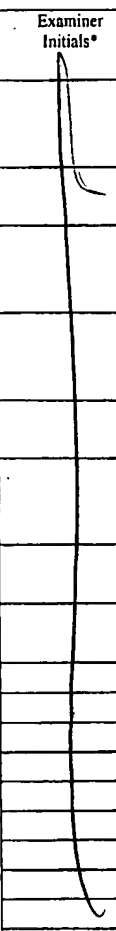
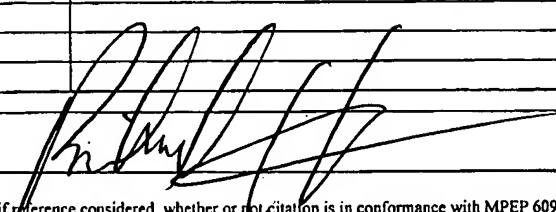
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	364	Zcharia et al. "Heparanase Accelerates Wound Angiogenesis and Wound Healing in Mouse and Rat Models", The FASEB Journal, 19: 211-221, 2005.				
	365	Zcharia et al. "Molecular Properties and Involvement of Heparanase in Cancer Progression and Mammary Gland Morphogenesis", Journal of Mammary Gland Biology and Neoplasia, 6(3): 311-322, 2001.				
	366	Zcharia et al. "Transgenic Expression of Mammalian Heparanase Uncovers Physiological Functions of Heparan Sulfate in Tissue Morphogenesis, Vascularization, and Feeding Behavior", The FASEB Journal, 18: 252-263, 2004.				
	367	Zheng et al. "Increment of hFIX Expression With Endogenous Intron 1 In Vitro", Cell Res., 7(1):21-29, 1997 Abstract.				
	368	Zhou et al. "A 182 Bp Fragment of the Mouse Pro $\alpha$ 1(1) Collagen Gene Is Sufficient to Direct Chondrocyte Expression in Transgenic Mice", J. Cell Science, 108: 3677-3684, 1995.				
	369	Zhou et al. "HFE Gene Knockout Produces Mouse Model of Hereditary Hemochromatosis", PNAS, 95(5): 2492-2497, 1998.				
	370	Zhu et al. "Development of Heritable Melanoma in Transgenic Mice", The Journal of Investigative Dermatology, 110: 247-252, 1998.				
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<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)				Application Number	10/785,116
				Filing Date	February 25, 2004
				First Named Inventor	Iris PECKER et al
				Art Unit	1652
				Examiner Name	RICHARD G. HUTSON
Sheet	30	Of	33	Attorney Docket Number	27674
<b>OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS</b>					
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.			T <sup>2</sup>
	371	Bar-Ner et al., "Inhibition of Heparanase-Mediated Degradation of Extracellular Matrix Heparan Sulphate by Non-Anticoagulant Heparin Species", Blood, 70(2): 551-557, 1987.			
	372	Savitsky et al., "Ataxia-Telangiectasia: Structural Diversity of Untranslated Sequences Suggests Complex Post-Transcriptional Regulation of ATM Gene Expression", Nucleic Acids Research, 25(9): 1678-1684, 1997.			
	373	Haimovitz-Friedman et al., "Activation of Platelet Heparitinase by Tumor Cell-Derived Factors", Blood, 78(3): 789-796, 1991.			
	374	Gospodarowicz et al., "Stimulation of Corneal Endothelial Cell Proliferation In Vitro by Fibroblast and Epidermal Growth Factors", Exp. Eye Res., 25: 75-89, 1977.			
	375	Ernst et al., "Enzymatic Degradation of Glycosaminoglycans", Crit. Rev. in Biochemistry and Molecular Biology, 30(5): 387-444, 1995.			
	376	Zhong-Sheng et al., "Role of Heparan Sulfate Proteoglycans in the Binding and Uptake of Apolipoprotein E-Enriched Remnant Lipoproteins by Cultured Cells", J. Biol. Chem., 268(14): 10160-10167, 1993.			
	377	Ross, "The Pathogenesis of Atherosclerosis: A Perspective for the 1990s", Nature, 362: 801-809, 1993.			
	378	Putnak et al., "A Putative Cellular Receptor for Dengue Viruses", Nature Medicine, 3(8): 828-829, 1997.			
	379	Cordon-Cardo et al., "Expression of Basic Fibroblast Growth Factor in Normal Human Tissue", Laboratory Investigation, 63(6): 832-840, 1990. Abstract.			
	380	Narindrasorasak et al., "High Affinity Interactions Between the Alzheimer's ?-Amyloid Precursor Proteins and the Basement Membrane Form of Heparan Sulfate Proteoglycan", J. Biol. Chem., 266(20): 12878-12883, 1991.			
	381	Chen et al., "Dengue Virus Infectivity Depends on Envelope Protein Bin to Target Cell Heparan Sulfate", Nature Medicine, 3(8): 866-871, 1997.			
	382	Shieh et al., "Cell Surface Receptors for Herpes Simplex Virus Are Heparan Sulfate Proteoglycan Proteoglycans", J. Cell. Biol., 116(5): 1273-1281, 1992.			
	383	Eisenberg et al., "Lipoprotein Lipase Enhances Binding of Lipoproteins to Heparan Sulfate on Cell Surface and Extracellular Matrix", Journal of Clinical Investigation, 90: 2013-2021, 1992.			
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				Art Unit	1652
				Examiner Name	RICHARD G. HUTSON
Sheet	31	Of	33	Attorney Docket Number	27674
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	384	Rapraeger et al., "Requirement of Heparan Sulfate for bFGF-Mediated Fibroblast Growth and Myoblast Differentiation", Science, 252: 1705-1709, 1991.			
	385	Lider et al., "A Disaccharide That Inhibits Tumor Necrosis Factor ? Is Formed From the Extracellular Matrix by the Enzyme Heparanase", Proc. Natl. Acad. Sci. USA, 92: 5037-5041, 1995.			
	386	Lider et al., "Suppression of Experimental Autoimmune Diseases and Prolongation of Allograft Survival by Treatment of Animals With Low Doses of Heparin", The Journal of Clinical Investigation, 83: 752-756, 1989.			
	387	Gitay-Goren et al., "The Binding of Vascular Endothelial Growth Factor to Its Receptors Is Dependent on Cell Surface-Associated Heparin-Like Molecules", Journal of Biological Chemistry, 267(9): 6093-6098, 1992.			
	388	Ornitz et al., "FGF Binding and FGF Receptor Activation by Synthetic Heparin-Derived Di- and Trisaccharides", Science, 268: 432-436, 1995.			
	389	Spivak-Kroizman et al., "Heparin-Induced Oligomerization of FGF Molecules Is Responsible For FGF Receptor Dimerization, Activation, and Cell Proliferation", Cell, 79: 1015-1024, 1994.			
	390	Yayon et al., "Cell Surface, Heparin-Like Molecules Are Required for Binding of Basic Fibroblast Growth Factor to Its High Affinity Receptor", Cell, 64: 841-848, 1991.			
	391	Vlodavsky et al., "Extracellular Matrix-Bound Growth Factors, Enzymes, and Plasma Proteins", in: Basic Membranes: Cellular and Molecular Aspects, Academic Press, Orlando, Fla., P. 327-343, 1993.			
	392	Vlodavsky et al., "Extracellular Sequestration and Release of Fibroblast Growth Factor: A Regulatory Mechanism?", Trends Biochem. Sci., 16: 268-271, 1991.			
	393	Vlodavsky et al., "Involvement of the ExtraCellular Matrix, Heparin Sulfate Proteoglycans, and Heparin Sulfate Degrading Enzymes in Angiogenesis and Metastis", Tumor Angeogenesis, P.125-140, 1997.			
	394	Vlodavsky et al., "Morphological Appearance, Growth Behaviour and Migratory Activity of Human Tumor Cells Maintained on Extracellular Matrix Versus Plastic", Cell, 19: 607-616, 1980.			
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**OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS**

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	395	Vlodavsky et al., "Lymphoma Cell-Mediated Degradation of Sulfated Proteoglycans in the Subendothelial ExtraCellular Matrix: Relationship to Tumor Cell Metastasis", Cancer Research, 43: 2704-2711, 1983.	
	396	Vlodavsky et al., "Inhibition of Tumor Metastasis by Heparanase Inhibiting Species of Heparin", Invasion & Metastasis, 14(1-6): 290-302, 1994/95.	
	397	Vlodavsky et al., "Involvement of Heparanase in Tumor Metastasis and Angiogenesis", Isr. J. Med. Sci., 24(9-10): 464-470, 1988.	
	398	Vlodavsky et al., "Expression of Heparanase by Platelets and Circulating Cells of the Immune System: Possible Involvement in Diapedesis and Extra Vasion", Invasion & Metastasis, 12(2): 112-127, 1992.	
	399	Parish et al., "Evidence That Sulphated Polysaccharides Inhibit Tumor Metastasis by Blocking Tumor-Cell-Derived Heparanases", Int. J. Cancer, 40: 511-517, 1987.	
	400	Bashkin et al., "Basic Fibroblast Growth Factor Binds to Subendothelial ExtraCellular Matrix and Is Released by Heparitanase and Heparin-Like Molecules", Biochemistry, 28: 1737-1743, 1989.	
	401	Ishai-Michaeli et al., "Heparanase Activity Expressed by Platelets, Neutrophils, and Lymphoma Cells Releases Active Fibroblast Growth Factor From Extracellular Matrix", Cell Regulation, 1: 833-842, 1990.	
	402	Ishai-Michaeli et al., "Importance of Size and Sulfation of Heparin in Release of Basic Fibroblast Growth Factor From the Vascular Endothelium and ExtraCellular Matrix", Biochemistry, 31(7): 2080-2088, 1992.	
	403	Folkman et al., "A Heparin-Binding Angiogenic Protein - Basic Fibroblast Growth Factor - Is Stored Within Basement Membrane", Am. J. Pathology, 130(2): 393-400, 1988.	
	404	Folkman et al., "Angiogenic Factors", Science, 235: 442-447, 1987.	
	405	Gospodarowicz et al., "Permissive Effect of the ExtraCellular Matrix on Cell Proliferation In Vitro", Proc. Natl. Acad. Sci. USA., 77(7): 4094-4098, 1980.	
	406	Liotta et al., "Tumor Invasion and the ExtraCellular Matrix", Laboratory Investigation, 49(6): 636-647, 1983.	

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